

FIRE-RETARDANT AND ANTIARC-TRACKING GLASS FIBER REINFORCED POLYAMIDE COMPOSITION

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A glass-reinforced, fire-retardant, arc-track resistant polyamide composition characterized in that it contains: (a) at least 35% by weight of a fibre-forming polyamide, (b) 15% to 30% by weight of glass fibres or particulate fillers, (c) 17.5 to 27.5% by weight of melamine or melamine cyanurate, (d) 1 to 10% by weight of brominated fire retardants selected from a brominated polyphenylene oxide or a brominated epoxy resin, and (e) a synergist selected from zinc oxide, zinc borate, a mixture of zinc oxide and zinc borate and a mixture of antimony oxide and zinc borate, wherein the concentration of oxide present in the borate and a mixture of antimony oxide and zinc borate, wherein the concentration of borate present is between 0 and 25% by weight, and synergist is between 0 and 5%, the concentration of borate present is between 0 and 25% by weight, and the total weight of synergist is at least 1%, the weight percentages of the constituents (a), (b), (c), (d) and (e) totalling 100%.

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